

Southeast Regional Office CLEAN WATER PROGRAM

Application Type

Wastewater Type

Facility Type

Renewal

Sewage

SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0244007

APS ID 1006681

Authorization ID 1297068

Applicant Name	Edward & Jane Bacon	Facility Name	Bacon SRSTP	
Applicant Address	1900 Fairview Road	Facility Address	1900 Fairview Road	
	Glenmoore, PA 19343-2639		Glenmoore, PA 19343-2639	
Applicant Contact	Edward and Jane Bacon	Facility Contact	Edward and Jane Bacon	
Applicant Phone	(610) 469-9341	Facility Phone	(610) 469-9341	
Client ID	237797	Site ID	639073	
SIC Code	6514	Municipality	East Nantmeal Township	
SIC Description	Fin, Ins & Real Est - Dwelling Operators, Except Apartments	County	Chester	
Date Application Rec	eived November 20, 2019	WQM Required		
Date Application Accepted		WQM App. No.		

Summary of Review

The application requests approval for renewal of a National Pollutant Discharge Elimination System (NPDES) permit to discharge 400 gpd of treated sewage from a single residence sewage treatment plant to an unnamed tributary to Beaver Run, designated EV-TSF, MF in Chapter 93. Beaver Run is tributary to French Creek in watershed 3D.

Effluent limits in the permit are continued from the existing permit. Information in the existing NPDES permit file says that the treatment facility had replaced a malfunctioning on-lot system.

For reference, Water Quality Management (WQM) Permit 1504418 applies to the treatment plant. The WQM permit describes the sewage treatment plant as an EnviroServer System with primary clarifier, two aeration zones, a final clarifier, and a 375-gallon effluent storage/disinfection compartment with UV disinfector. Effluent limits are based on General Permit (PAG04) for small flow sewage treatment plant for single family home. Effluent limits for all the parameters will remain the same in this permit renewal. Effluent is in compliance with current permit limits and is expected to be in compliance in future.

East Nantmeal Township and Chester County received notification regarding this application by certified mail dated November 7, 2019.

Approve	Deny	Signatures	Date
X		Ketan Thaker / Project Manager /s/	April 1, 2020
		Tretail Thatel / Froject Manager /3/	7,011 1, 2020
		Pravin C. Patel, P.E. / Environmental Engineer Manager	

Summary of Review

Following are the effluent limits:

Parameters	Average Monthly Limit (mg/l)	Basis
CBOD5	10	PAG04 - Chapter 92a.47
Total Suspended Solids	20	PAG04 - Chapter 92a.47
Fecal Coliform	200 # /100 ml	PAG04 - Chapter 92a.47
pH	6.0 to 9.0 SU	PAG04 - Chapter 92a.47

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

scharge, Receiving Waters and Water Supp	oly Information			
Outfall No. 001	Design Flow (MGD)	.0004		
Latitude 40º 8' 29.91"	Longitude	-75º 42' 7.65""		
Quad Name	Quad Code			
Wastewater Description: Sewage Effluent				
Receiving Waters Beaver Run (EV, MF)	Stream Code			
NHD Com ID 25990548	RMI	2.6200		
Drainage Area	Yield (cfs/mi²)			
Q ₇₋₁₀ Flow (cfs)	O- to Rocic			
Elevation (ft)	Clama (ft/ft)			
		Exceptional Value Waters,		
· · · · · · · · · · · · · · · · · · ·	Chapter 93 Class.	Migratory Fish		
Existing Use				
Exceptions to Use	Exceptions to Criteria			
Assessment Status Attaining Use(s)				
Cause(s) of Impairment				
Source(s) of Impairment				
TMDL Status	Name			
Background/Ambient Data	Data Source			
pH (SU)				
Temperature (°F)	_			
Hardness (mg/L)				
Other:				
Nearest Downstream Public Water Supply Inta	ake			
PWS Waters	Flow at Intake (cfs)			

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

	Effluent Limitations					Monitoring Requirements		
Parameter	Mass Units (lbs/day) (1)		Concentrations (mg/L)			Minimum ⁽²⁾	Required	
Farameter	Average Monthly	Average Weekly	Minimum	Annual Average	Maximum	Instant. Maximum	Measurement Frequency	Sample Type
Flow (GPD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/year	Grab
CBOD5	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
TSS	XXX	XXX	XXX	20.0	XXX	40	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab